BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Construction of culverts and drains in Kalapp Layout, Muneshwara Layout and Gopalappa Garden in ward no 10 Doddabommasandra

									Estimate Cost Rs.	1000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount	
1	Dismantling size stone masonry in clay mortar and stacking the size stone within a radius of 50 m and removing the debris to a distance upto 200m, **No. 235/ Item No. 37.48 PWD SR 2010-11**	Cum								
			15 X 2	6.70	0.45	0.30	27.14			
							27.14	127.44	**3458.00**	
	Basic Rate	118.00								
	Area Weightage @ 8%	9.44								
	Total	**127.44**								
2	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **No. 126/ Item No. 19.2/ PWD SR 2010-11**	Cum								
	For Culverts		15	6.70	2.40	0.80	192.96			
							192.96	77.76	**15005.00**	
	Basic Rate	72.00								
	Area Weightage @ 8%	5.76								
	Total	**77.76**								
3	Removing B.S Slab of Drain and stacking **Page No. 24/ Item No. 5.32/ PWD SR 2010-11**	Sqm								
			15	6.70		1.65	165.83			
							165.83	42.77	**7092.00**	
	Basic Rate	39.60								
	Area Weightage @ 8%	3.17								
	Total	**42.77**								
4	Providing and laying in position **plain cement concrete of nominal mix 1:4:8 using 40mm** and down size graded granite metal machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ **Item No. 4.3/ PWD SR 2010-11**	Cum								
			15	6.70	2.40	0.15	36.18			
							36.18	3495.96	**126484.00**	
	Basic Rate	3101.00								
	Add Differnce in Cost of Cement 3.40x40.00 =	136.00								
		3237.00								
	Area Weightage @ 8%	258.96								
	Total	**3495.96**								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 5.2-2 Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6,** stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No. 22/ Item No. 5.6/ PWD SR 2010-11**	Cum							
	With Available Stones Consider 30% of Item No. 01						8.14		
							8.14	1745.81	**14212.00**
	Basic Rate	2348.00							
	Add Differnce in Cost of Cement 1.40x40.00 =	56.00							
		2404.00							
	Deduct Cost of Stones at Rs. 6.25/ Each= 105x 6.25= 656.25	656.25							
	Deduct 10% Over head charges on Material cost	65.63							
	Deduct 10% Contractor Profit	65.63							
		787.51							
		1616.49							
	Area Weightage @ 8%	129.32							
	Total	**1745.81**							
6	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 22/ Item No. 5.9/ PWD SR 2010-11**	Cum							
			15 X 2	6.70	(0.75+0.60)/2	0.60	80.80		
	Deduct Qty vide item No.05						8.14		
							72.66	3075.84	**223495.00**
	Basic Rate	2792.00							
	Add Differnce in Cost of Cement 1.40x40.00 =	56.00							
		2848.00							
	Area Weightage @ 8%	227.84							
	Total	**3075.84**							
7	KSRB 4-1.7 : Providing and laying in position **plain cement concrete of nominal mix 1:2:4 using 20mm** and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6/ PWD SR 2010-11**	Cum							
	Coping		15 X 2	6.70	0.60	0.10	12.06		
	Wearing Coat		15	6.70	0.75	0.10	7.54		
							19.60	4664.52	**91413.00**
	Basic Rate	4063.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Add Differnce in Cost of Cement 6.40x40.00 =	256.00							
		4319.00							
	Area Weightage @ 8%	345.52							
	Total	**4664.52**							
8	KSRB 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 97/ Item No. 15.1 / PWD SR 2010-11**	Sqm							
			15 X 2	6.70		0.60	120.60		
							120.60	67.28	**8114.00**
	Basic Rate	61.50							
	Add Differnce in Cost of Cement 0.02x40.00 =	0.80							
		62.30							
	Area Weightage @ 8%	4.98							
	Total	**67.28**							
9	KSRB 4-6.2 Providing and removing centering, shuttering, strutting, propping etc.,and removal of form work for all flat syrface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specifications.(P No. 14 Item No.4.29 PWD SR 2010-11)	Sqm							
	Bottom		15	6.70	0.75		75.38		
	Allround sides		1	17.30	0.23		3.98		
							79.35	237.60	18854.5104
	Basic Rate	220.00							
	Add 8% A.Wt	17.60							
	Total	**237.60**							
10	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 12/ Item No. 4.11/ PWD SR 2010-11**	Cum							
			15	6.70	1.95	0.23	45.07		
							45.07	5247.72	**236537.00**
	Basic Rate	4539.00							
	Add Differnce in Cost of Cement 8.00x40.00 =	320.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		4859.00							
	Area Weightage @ 8%	388.72							
	Total	**5247.72**							
11	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 16/ Item No. 4.46/ PWD SR 2010-11**	Qtl							
	90 Kg / Cum		0.90	45.07			**40.57**	5838.48	**236849.00**
	Basic Rate	5406.00							
	Area Weightage @ 8%	432.48							
	Total	**5838.48**							
12	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				**192.96**		
	Average Weight of Earth 1.28 Ton/Cum	Mtone					**246.99**	67.32	**16627.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading and unloading	62.20							
	Total	**67.32**							
13	Miscesallaneous Charges	L/S							**1859.49**
								Total	**1000000.00**

'Lead chart Not approved'

(Rupees Ten Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2010-11.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative approval for Rs. 10.00 lakhs
Re - ten lakhs

is accorded under head P-1771
P.O.W. 11-12

registered as EE No: 133 / ..... Subject to conditions contained enclosed memo.
No: 133 / 11-12 / ..... Dr. 06/07/11

AE/JE 6/7

EE (BTP. Div.) 6/7

Technical Sanction for Rs. 10.00 lakhs
Re ten lakhs

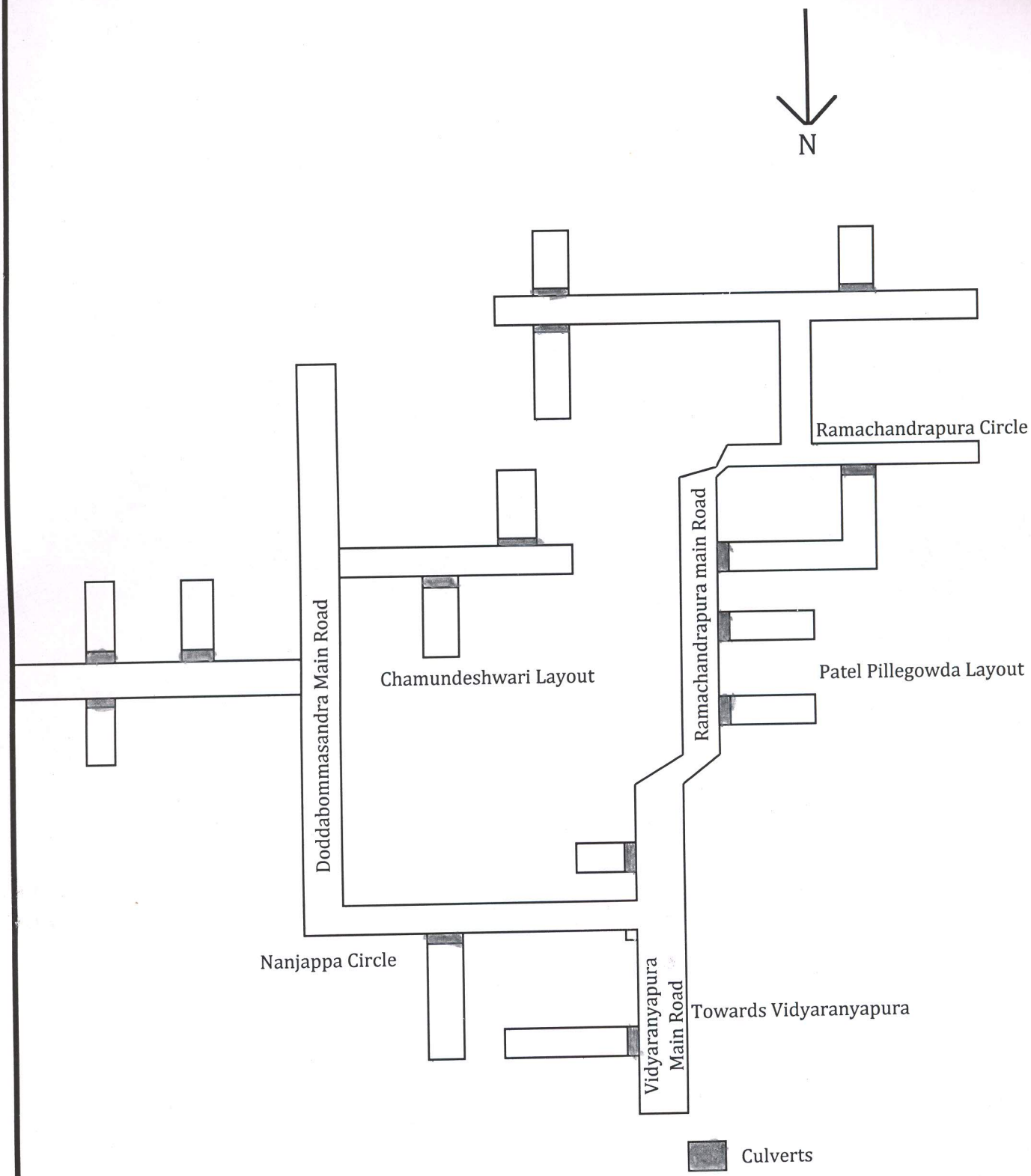
under P-1771
P.O.W. 11-12

registered as EE No: 133 / ..... Subject to conditions contained enclosed memo.
No: 133 / 11-12 / ..... Dr. 06/07/11

AE/JE 6/7

EE (BTP. Div.) 6/7

Sketch Showing the Work of Construction of Culverts and Drains in Kalappa layout, Muneshwara Layout and Gopalappa Garden in Ward No. 10 (Doddabommasandra), Vidyarnyapura Sub Division.



Sadhan
AE W-10

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97